



## Temerity

by Arya Akhavan (December 2013)

Angles for R.I. = 1.540

80 + 12 girdles = 92 facets

4-fold, mirror-image symmetry

96 index

L/W = 1.000

P/W = 0.462 C/W = 0.176

Vol./W<sup>3</sup> = 0.258

### PAVILION

P1	40.64°	06-18-30-42-54-66-78-90	Cut to centerpoint.
P2	40.14°	03-21-27-45-51-69-75-93	Meet at culet.
G1	90.00°	04-20-28-44-52-68-76-92	Set stone size.
G2	90.00°	96-24-48-72	Meet P1, P2, G1
P3	63.82°	04-20-28-44-52-68-76-92	Level girdle.
P4	64.26°	96-24-48-72	Level girdle.
P5	39.65°	07-17-31-41-55-65-79-89	Meet P1, G1, P3

### CROWN

C1	51.38°	96-48	Set girdle width.
C2	44.45°	04-44-52-92	Level girdle.
C3	63.10°	20-28-68-76	Level girdle.
C4	51.68°	24-72	Level girdle.
C5	49.48°	23-25-71-73	Meet G1, G2, C3, C4
C6	31.55°	10-38-58-86	Meet G1, C2, C3
C7	17.20°	12-20-28-36-60-68-76-84	Meet C4, C5; C3, C5, C6
C8	16.26°	05-43-53-91	Meet C1, C2; C2, C6, C7
C9	14.19°	24-72	Meet C4, C5, C7
C10	14.20°	08-40-56-88	Meet C2, C6, C7, C8; C7, C9
C11	5.34°	08-24-40-56-72-88	Meet C7, C9, C10; C8, C10

This design is a modification of my "Insolence" design, adapting a triangle checkerboard into a square outline.

It performs really well, thankfully. (I still haven't been able to adopt a square checkerboard into a triangular outline...) Works in materials from quartz to rutile (RI = 1.54 - 2.62) with no changes, but I prefer lemon quartz.

Suggested size = 8-15 mm

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